



05-20-02

JC14 Rec'd PCT/PTO 16 MAY 2002

EXPRESS MAIL CERTIFICATE

028648585 US

Date 5/16/02 Label No. EU

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

#6
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A. DiMillo A. DiLullo
Name (Print) Signature

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No: 5986/1F684US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lakshmi A. DEVI; Bryen A. JORDON

Serial No.: 10/018,200

Art Unit: TBA

Confirmation No.: 4935

Filed: January 23, 2002

Examiner: TBA

For: HETERODIMERIC OPIOID G-PROTEIN COUPLED RECEPTORS

RECEIVED
MAY 28 2002
TECH CENTER 1600/2900

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C. 371 IN THE UNITED STATES
DESIGNATED/ELECTED OFFICE DO/EO/US

Hon. Commissioner of
Patents and Trademarks
Washington, DC 20231

May 16, 2002

Sir:

In response to the Notification of Missing Requirements dated March 20, 2002, enclosed please find a copy of the papers filed on January 23, 2002 which included the Oath or Declaration (Tab A), which is being required, and a copy

of the Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US).

REMARKS

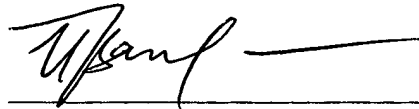
This submission is in response to the Notification of Missing Requirements dated March 20, 2002. On April 10, 2002, we received a Notice of Acceptance of Application under 35 U.S.C. 371 and 37 CFR 1.494 or 1.495 (Tab B). According to this Notice, the Oath or Declaration has been received by the Patent Office. It is believed that we have satisfied all requirements for completion of the patent application. Reconsideration is respectfully requested.

It is believed that no fee is due. However, if the Commissioner determines that a fee is due, the Commissioner is hereby authorized to charge the above deposit account for any deficiency.

Therefore, in view of the above remarks, it is respectfully requested that the application be considered.

If there are any other issues remaining, the Examiner is respectfully requested to contact the undersigned at the telephone number indicated below.

Respectfully submitted,



Irina E. Vainberg, Ph.D.

Reg. No. 48,008

Agent for Applicants

DARBY & DARBY, P.C.
Post Office Box 5257
New York, NY 10150-5257
Phone (212) 527-7700



UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
 www.uspto.gov

IEV

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/018,200	Lakshmi A Devi	5986/1F684-US1

INTERNATIONAL APPLICATION NO.

PCT/US00/16559

I.A. FILING DATE	PRIORITY DATE
06/15/2000	06/16/1999

 Darby & Darby
 805 Third Avenue
 New York, NY 10022

 DUE: May 20, 2002
 Docketed on 4/1 by DP for
 Docketed without file ☐
 Attorney _____

CONFIRMATION NO. 4935

371 FORMALITIES LETTER



OC000000007675364

Date Mailed: 03/20/2002

10-20-02

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Indication of Small Entity Status
- Priority Document
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

RECEIVED

MAY 28 2002

TECH CENTER 1600/2900

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FREDERICK SMITH

Telephone: (703) 305-3654

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/018,200	PCT/US00/16559	5986/1F684-US1

FORM PCT/DO/EO/905 (371 Formalities Notice)

Return of this card properly stamped, will acknowledge receipt of:
Transmittal Letter (2 pgs); Check No. 5304 for \$105;
Declaration; Assignment Recordation Cover Sheet and
Assignment (4 pgs)
ALL ACCOMPANIED BY EXPRESS MAIL LABEL NO.

EL767723027-45

Applicant : Lakshmi A. Devi et al.
Serial No. : 10/018,200 (PCT/US00/16559)
Filed : December 14, 2001
For : HERERODIMERIC OPIOID G-PROTEIN
COUPLED RECEPTORS
Attorney : Irina E. Vainberg
File No. : 5986/1F684-US1
Mailed : January 23, 2002 Mailer: *B.W. Lee*

DARBY & DARBY PROFESSIONAL PATENT OFFICE 805 THIRD AVENUE NEW YORK, NY 10022		1-352 2-0 -3348074	5304
DATE <u>1/23/02</u>			
PAY TO THE ORDER OF	COMMISSIONER OF PATENTS & TRADEMARKS	\$ 105.00	xx
<u>One Hundred Five</u>		DOLLARS	1
citibank [®]			
CITIBANK, N.A. 153 EAST 53RD STREET, SUITE 2411 NEW YORK, NY 10043			
THE CITIBANK PRIVATE BANK			
MEMO <u>018,200/1F684US1</u>		<i>Gabriella Kariy</i>	
⑆021000089⑆ 43348074 5304			

5 1F684-US1

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)

JC14 Rec'd PCT/PTO 16 MAY 2002

INTERNATIONAL APPLICATION NO.

PCT/US00/16559

INTERNATIONAL FILING DATE

15 June 2000

PRIORITY DATE CLAIMED

16 June 1999

TITLE OF INVENTION

HETERODIMERIC OPIOD G-PROTEIN COUPLED RECEPTORS

APPLICANT(S) FOR DO/EO/US

Lakshmi A. DEVI and Bryen A. JORDAN

Applicant herewith submits to the United States Designated/Elected office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S. C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S. C. 371 (b) and PCT Articles 22 and 39 (1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S. C. 371 (c) (2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S. C. 371 (c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c) (3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 (with references).
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney an/or address letter.
16. ☐ Other items or information:

EXPRESS MAIL CERTIFICATE

Date 1/23/02 Label No. EL 767723027-41
I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

B.W. LEE
Name (Print)

B.W. Lee
Signature

17. [x] The following fees are submitted:

Basic National Fee (37 CFR 1.492 (a)(1)-(5)):

Search Report has been prepared by the EPO [] or JPO []

\$890.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)

\$710.00

No international preliminary examination fee paid to USPTO (37 CFR 4.482)
but international search fee paid to USPTO (37 CFR 1.445 (a) (2))...

\$740.00

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....

\$1,040.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33(2)-(4)....

\$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$

Surcharge of \$130.00 for furnishing the oath or declaration later than []20 []30
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$130.00

Claims	Number Filed	Number Extra	Rate		
Total Claims	-20		X \$18.00	\$	
Independent Claims	-3		X \$84.00	\$	
Multiple dependent claims(s) (if applicable)			+ 280		
TOTAL OF ABOVE CALCULATIONS =				\$130.00	
Reduction by 1/2 for filing by small entity, if applicable.				\$65.00	
SUBTOTAL =				\$65.00	
Processing fee of \$130.00 for furnishing the English translation later the [] 20 [] 39 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
TOTAL NATIONAL FEE =				\$0.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). the assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$40.00
TOTAL FEES ENCLOSED =				\$105.00	
				Amount to be: refunded	\$
				charged:	\$

a. [X] A check in the amount of \$105.00 to cover the above fees is enclosed.

b. [] Please charge my Deposit Account No.04-0100 in the amount of \$ to cover the above fees.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit
Account No. 04-0100. A duplicate copy of this sheet is enclosed.**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed
and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Paul F. Fehlner
Darby & Darby P.C.
805 Third Avenue
New York, New York 10022-7513

SIGNATURE

NAME Irina E. Vamberg

REGISTRATION NO. 48,008



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/018,200	Lakshmi Archole Devi	5986/1F684-US1

INTERNATIONAL APPLICATION NO.

PCT/US00/16559

I.A. FILING DATE	PRIORITY DATE
------------------	---------------

06/15/2000

06/16/1999

Darby & Darby
 805 Third Avenue
 New York, NY 10022

TO: **IEV**
 CITY REVIEWED _____
 DATE: _____

CONFIRMATION NO. 4935

371 ACCEPTANCE LETTER



OC000000007821740

Date Mailed: 04/10/2002

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.494 OR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as an Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

01/23/2002

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and
 (c)(4) REQUIREMENTS

01/23/2002

DATE OF RECEIPT OF ALL 35 U.S.C.
 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** *The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363).* Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- U.S. Basic National Fee
- Indication of Small Entity Status
- Assignee Statement
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

FREDERICK SMITH

Telephone: (703) 305-3654

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)